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May 23, 2001

DERWENT-ACC-NO: 2000-195321

DERWENT-WEEK: 200130

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TITLE: Novel human UDP-glucuronosyltransferase sequence, polymorphisms for genotyping individuals to predict rate of metabolism of substrates and for identifying potential drug interactions

INVENTOR: GALVIN, M; MILLER, A ; PENNY, L ; RIEDY, M

PATENT-ASSIGNEE:

ASSIGNEE

CODE

AXYS PHARM INC

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PRIORITY-DATA: 1998US-0094391 (July 28, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1100968 A1	May 23, 2001	E	000	C12Q001/68
WO 200006776 A1	February 10, 2000	E	072	C12Q001/68
AU 9952256 A	February 21, 2000	N/A	000	C12Q001/68

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 1100968A1	July 22, 1999	1999EP-0937416	N/A
EP 1100968A1	July 22, 1999	1999WO-US16675	N/A
EP 1100968A1		WO 200006776	Based on
WO 200006776A1	July 22, 1999	1999WO-US16675	N/A
AU 9952256A	July 22, 1999	1999AU-0052256	N/A
AU 9952256A		WO 200006776	Based on

INT-CL (IPC): C12Q 1/68

ABSTRACTED-PUB-NO: WO 200006776A

BASIC-ABSTRACT:

NOVELTY - New isolated non-chromosomal nucleic acid molecules (I) of 57 sequences, all fully defined in the specification, comprising human UDP-glucuronosyltransferase (UGT2B) sequence polymorphism, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) a nucleic acid probe (P) for detecting UGT2B locus polymorphism comprising

(I);

(2) an array oligonucleotides comprising 2 or more (P); and

(3) a method for detecting a polymorphism in a UGT2B metabolism of a substrate, in an individual, comprising analyzing the genome of the individual for the presence of (I), which indicates an alteration of the UGT2B expression or activity.

USE - (P) is used for detecting polymorphism in an individual (claimed). (I) is used in screening assays and for genotyping individuals, used to predict their rate of metabolism of UGT2B substrates, potential drug-drug interactions and adverse side effects. The polymorphisms can be used as single nucleotide polymorphism for detecting genetic linkage related to phenotypic variation in activity or expression of UGT2B protein. (I) is also used for generating genetically modified non-human animals and for obtaining site specific gene modification in cell lines.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: NOVEL HUMAN SEQUENCE POLYMORPH INDIVIDUAL PREDICT RATE METABOLISM
SUBSTRATE IDENTIFY POTENTIAL DRUG INTERACT

DERWENT-CLASS: B04 D16

CPI-CODES: B04-E02E; B04-E05; B11-C08E4; B12-K04A3; D05-H09; D05-H12B1; D05-H12D1;
D05-H18A;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

M423 M710 M750 M781 M905 N102 P831 Q233 Q505

Specific Compounds

A00NSA A00NSD A00NSN

Chemical Indexing M6 *02*

Fragmentation Code

M905 P831 Q233 Q505 R515 R521 R627 R639

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-060611